Index of Claims

| Application/Control No. | Applicant(s)/Patent under Reexamination |
|-------------------------|---|
| 10/064,176              | GRANCHAROV ET AL.                       |
| Examiner                | Art Unit                                |
| Karen C. Tang           | 2151                                    |

| <b>√</b> | Rejected | - | (Through numeral)<br>Cancelled |
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| =        | Allowed  | + | Restricted                     |

| N | Non-Elected  | Α | Appeal   |
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| 1 | Interference | 0 | Objected |

| Claim | Claim Date   |          |          |          |          |  | Claim Date |          |                 |          |          |           |          |                 | [        | Cla      | im       | Date            |          |         |                  |          |       |            |   |        |          |  |          |          |          |          |  |
|-------|--------------|----------|----------|----------|----------|--|------------|----------|-----------------|----------|----------|-----------|----------|-----------------|----------|----------|----------|-----------------|----------|---------|------------------|----------|-------|------------|---|--------|----------|--|----------|----------|----------|----------|--|
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| Final | Original     | 8/18/06  |          |          |          | l  |            |          |                 |          |          | Final     | Original |                 | 1        |          |          |                 |          |         |                  |          | Final | Original   |   |        |          |  |          |          |          |          |  |
| "   7 | 5            | 8        |          |          |          |  |            | l        |                 |          |          | <b>"</b>  | Ö        |                 |          | - 1      |          |                 |          |         |                  |          | ᄕ     | ő          |   |        |          |  |          | 1        |          |          |  |
|       | 1            | 1        | $\dashv$ | -        | _        | -  |            | -        | $\vdash$        | $\dashv$ | ŀ        |           | 51       | $\dashv$        | $\dashv$ | $\dashv$ | -        | $\dashv$        | +        | ╬       | +                | ŀ        |       |            |   | Н      |          | H  |          |          | -+       | -        | $\dashv$   |
|       | 2            | V        | ┽        | $\dashv$ |          | ⊢  | -          | ┝        | Н               | $\dashv$ | ┝        |           | 52       | $\dashv$        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$        | +        | +       | ╁╌┤              | ŀ        |       | 101<br>102 |   | Н      |          | H  | $\vdash$ | -        | $\dashv$ | -        | $\dashv$   |
|       | 3            | Ì        | -        |          | -        | $\vdash$   | ┢          | ┝        | $\vdash$        | $\dashv$ | F        |           | 53       |                 |          | $\dashv$ |          | -+              | +        |         | +                | ŀ        |       | 103        |   | Н      |          | ┝  | $\vdash$ | $\vdash$ |          | $\dashv$ | $\dashv$   |
|       | 4            | V        | $\dashv$ |          | ┢┈       |  | H          | $\vdash$ | $\vdash$        | $\neg$   | r        |           | 54       | $\dashv$        | $\dashv$ | $\dashv$ |          | $\dashv$        | $\dashv$ | +       | $\vdash$         | ŀ        |       | 104        |   | Н      |          | $\vdash$   |          |          | $\dashv$ | $\dashv$ | $\dashv$   |
|       | 5            | <b>√</b> | T        |          |          | Г  | T          |          | П               | ╡        | r        |           | 55       | $\Box$          | $\neg$   | 寸        | $\neg$   | 寸               | ┪        | $\top$  | $\Box$           | Ì        |       | 105        |   | П      |          |  |          | П        | $\dashv$ | $\dashv$ | ╛  |
|       | 6            | √        |          |          |          |  |            |          |                 |          |          |           | 56       |                 |          |          |          | T               |          |         |                  |          |       | 106        |   |        |          |  |          |          |          |          |  |
|       | 7            | 1        |          |          |          |  |            | <u> </u> |                 |          |          |           | 57       |                 |          | $\Box$   |          |                 |          |         |                  |          |       | 107        |   |        |          |  |          |          |          |          |  |
|       | B            | 1        | _        | _        | <u> </u> |  | L          | ┞-       |                 | _        | L        |           | 58       | 4               |          | 4        | _        | _               | _        |         | $\sqcup$         | ļ        |       | 108        |   | L      |          | L  |          | Ш        | _        | _        | _  |
|       | 9            | √        | +        |          |          | <b> </b>   | <u> </u>   | -        | $\sqcup$        | $\dashv$ | ├        |           | 59       | -               |          | $\dashv$ | 4        | +               | 4        | +       | +                |          |       | 109        |   | Н      |          | _  |          | _        | _        | _        | -1   |
|       | 0            | 7        | $\dashv$ | _        |          | -  | ⊢          | ⊢        | $\vdash$        | {        | -        |           | 60<br>61 | $\dashv$        | $\dashv$ | -        | -        |                 | -        | +       | +                |          |       | 110        |   | Н      |          |  |          |          | $\dashv$ |          | $\dashv$   |
|       | 2            | 7        | $\dashv$ | -        | ⊢        | $\vdash$   | -          | $\vdash$ | ┝╌┤             | $\dashv$ | H        | $\dashv$  | 62       | $\vdash \vdash$ | $\dashv$ | $\dashv$ | -+       | +               | +        | +       | +                |          |       | 111<br>112 |   | Н      | -        | $\vdash$   | Н        | Н        | $\dashv$ | $\dashv$ | $\dashv$   |
|       | 3            | V        | $\dashv$ |          |          | $\vdash$   | $\vdash$   | $\vdash$ | $\vdash$        | $\dashv$ | -        | $\dashv$  | 63       | $\vdash$        | 一        | ᅱ        | $\dashv$ | +               | +        | ╁       | +                | ŀ        |       | 113        |   | Н      |          |  | $\vdash$ | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$   |
|       | 4            | i        | $\dashv$ | _        | <u> </u> | $\vdash$   |            | $t^-$    | $\vdash$        |          |          | $\neg$    | 64       | $\vdash$        | 一        | ┪        | $\dashv$ | $\dashv$        | +        | 十       | $\dagger \dashv$ |          |       | 114        |   | Н      |          | $\vdash$   | $\vdash$ | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$   |
| 1 1   | 5            | 1        | $\neg$   |          |          | <del>                                     </del> | _          | T        | $\sqcap$        | $\dashv$ | F        | $\neg$    | 65       | $\dashv$        | 寸        | $\dashv$ | _        | 十               | $\dashv$ | 十       | 11               |          |       | 115        |   | H      | П        | Т  | Н        | Н        | $\dashv$ |          | $\dashv$   |
| 1     | 6            | <b>√</b> | İ        |          |          |  |            |          |                 |          |          |           | 66       |                 |          | $\neg$   | $\neg$   | $\neg \uparrow$ |          | $\top$  |                  |          |       | 116        |   | П      |          |  |          |          |          |          | П  |
|       | 7            | 1        |          |          |          |  |            |          |                 |          |          |           | 67       |                 | $\Box$   |          |          |                 |          |         |                  |          |       | 117        |   |        |          |  |          |          |          |          |  |
|       | 8            | √        | _        |          |          | L  | <u> </u>   | L        | $\sqcup$        | _        | L        |           | 68       |                 | _        | _        |          |                 | ᆚ        | $\perp$ | $\perp$          |          |       | 118        |   |        |          |  |          |          |          |          |  |
|       | 9            | 1        | _        | _        |          |  | <u> </u>   | <u> </u> |                 | _        | L        |           | 69       | $\Box$          | _        | _        | _        | _               | _        | $\bot$  | $\sqcup$         |          |       | 119        |   | Ш      |          |  |          |          |          |          | $\dashv$   |
|       | 20           | 1        | $\dashv$ |          |          |  | ├          | ⊢        | $\sqcup$        | _        | -        |           | 70       | -               |          |          | -        | _               | +        | +       | +                |          |       | 120        |   |        | <u> </u> | _  | _        | _        |          |          | $\dashv$   |
| 2     | 21           | 7        | $\dashv$ | _        | _        | ⊢  | ⊢          | ┼        | $\vdash$        | -        | ┝        | ∤         | 71<br>72 | $\dashv$        | -        |          | -        | +               | +        | ╬       | +                |          |       | 121<br>122 |   | -      |          | -  | _        | -        | $\dashv$ | -        | $\dashv$   |
|       |              | Ť        | $\dashv$ | _        | -        | $\vdash$   | ╁          | ┼        |                 | $\dashv$ | ┝        |           | 73       | $\dashv$        | +        |          |          | +               | +        | +       | +                | ŀ        |       | 123        |   | Н      |          | -  | -        | -        | -        | $\dashv$ | $\dashv$   |
|       | 24           | ⇃        | $\dashv$ | =        | -        | $\vdash$   | <u> </u>   | ┢        | $\vdash$        | $\dashv$ | ┢        | $\dashv$  | 74       | $\dashv$        | -        | ┪        |          | -+              | +        | +       | +                |          | -     | 124        |   | Н      |          |  |          | -        | $\dashv$ | $\dashv$ | $\dashv$   |
|       | 5            | V        | 十        |          |          |  | t          | $\vdash$ | H               | ᅥ        | <b>-</b> | $\dashv$  | 75       |                 | 十        | 十        | $\dashv$ | $\dashv$        | $\dashv$ | +       | +                |          |       | 125        | _ | Н      |          |  |          | Н        | $\dashv$ | $\dashv$ | $\dashv$   |
|       | 26           | <b>V</b> | $\dashv$ |          |          | П  | $\vdash$   | _        | П               | $\neg$   |          |           | 76       |                 | 寸        | 寸        |          |                 | 1        | $\top$  | $\top$           |          |       | 126        |   | П      |          | $\vdash$   |          |          | $\neg$   | $\neg$   | $\dashv$   |
| 2     | 27           | 1        |          |          |          |  |            |          |                 |          |          |           | 77       |                 | $\Box$   |          |          |                 |          | T       |                  |          |       | 127        |   |        |          |  |          |          |          |          |  |
| 2     | 28           |          |          |          |          |  |            |          |                 |          |          |           | 78       |                 |          |          |          |                 |          |         |                  |          |       | 128        |   |        |          |  |          |          |          |          |  |
|       |              | <b>√</b> | $\dashv$ |          |          | <u> </u>   | L          | L        | Ц               | _        | L        |           | 79       |                 | _        |          |          |                 |          |         |                  | Į        |       | 129        |   |        |          |  |          |          |          |          | $\Box$   |
|       |              | √,       | $\dashv$ | _        |          | _  | <u> </u>   | _        | Ш               | ᆜ        | L        |           | 80       |                 | _        | _        | _        | 4               | 4        |         | +                |          |       | 130        |   |        |          | $ldsymbol{ldsymbol{ldsymbol{eta}}}$              |          |          | _        | $\dashv$ | _  |
|       | 11           | 7        | -        | _        |          | <u> </u>   | _          | <u> </u> | $\vdash$        | $\dashv$ | ŀ        | <b></b> ∤ | 81       | $\vdash$        | -        | $\dashv$ | -        |                 | +        | +       | 4                |          |       | 131        | _ | Ш      | _        | <u> </u>   | Ш        | Н        | _        | $\dashv$ | _  |
|       | 3            | ┧        | $\dashv$ | -        | <u> </u> |  | ⊢          | ┢        | $\vdash\vdash$  | $\dashv$ | -        |           | 82<br>83 | $\vdash$        | ┥        | $\dashv$ | -        | -               | +        | ╬       | +                |          |       | 132<br>133 |   | -      |          | <u> </u>   | -        |          |          | $\dashv$ | $\dashv$   |
|       | 14           | V        | $\dashv$ | -        | -        | $\vdash$   | H          | ┢        | $\vdash$        | $\dashv$ | ⊢        |           | 84       |                 | ┰        | $\dashv$ | $\dashv$ | +               | +        | ╫       | +                |          |       | 134        | _ | Н      |          | $\vdash$   | Н        |          | $\dashv$ | $\dashv$ | $\dashv$   |
|       |              | i        | $\dashv$ | -        | Н        | -  | ┢          | 1        | H               | $\dashv$ | H        | $\dashv$  | 85       | $\vdash$        |          | $\dashv$ | 十        |                 | +        | +       | +                |          |       | 135        |   | H      | -        | H  | Н        | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$   |
|       | 6            | V        | $\dashv$ |          | Т        |  | T          | T        | П               | $\dashv$ | r        | $\dashv$  | 86       | $\vdash$        | 十        |          | $\dashv$ |                 | 十        | 十       | +                |          |       | 136        |   | H      | _        | $\vdash$   | Н        | Н        | $\dashv$ |          | $\dashv$   |
| 3     | 7            | √        |          |          |          |  | Γ          |          | П               | $\neg$   | T        | 一         | 87       |                 |          |          |          | $\neg \uparrow$ | $\top$   | 十       | $\top$           |          |       | 137        |   | П      |          | Γ  | П        | П        |          | -        | $\Box$   |
|       | 8            | √        |          |          |          |  |            |          |                 | $\Box$   |          |           | 88       |                 |          |          |          |                 |          | Ι       |                  |          |       | 138        |   |        |          |  |          |          |          |          |  |
|       | 9            | 1        | $\perp$  |          | L        | L  | L          | Ļ        | П               | _]       | Ĺ        |           | 89       |                 |          | _[       |          |                 |          | $\perp$ | $\Box$           |          |       | 139        |   | Ш      |          |  | Ш        |          |          |          | $\Box$   |
| _     | Ю            | √<br>    | $\dashv$ | _        | $\vdash$ | _  | L          | ├-       | $\sqcup$        | $\dashv$ |          |           | 90       | $\square$       | 4        | 4        | _        | $\dashv$        | 4        | 4       | Ш                |          |       | 140        |   | Ш      |          | 匚  | Ш        | Ш        | _        |          | $\dashv$   |
| 1 4   |              | 겍        | $\dashv$ | _        | $\vdash$ | _  | ⊢          | <b>├</b> | $\vdash \vdash$ | _        | -        |           | 91       | -               | -+       | 4        |          | _               | +        | +       | +                |          |       | 141        |   | Ш      | _        | Ь.   |          | Щ        |          | _        | $\dashv$   |
|       | 12           |          | $\dashv$ | -        | $\vdash$ | -  | $\vdash$   | $\vdash$ | $\vdash \vdash$ | $\dashv$ | $\vdash$ |           | 92<br>93 | -               | -        | 4        | $\dashv$ | +               | -        | - -     | +                |          |       | 142        |   | Н      | <u> </u> | <u> </u>   | -        |          |          | 4        | $\dashv$   |
|       | 14           | $\dashv$ | $\dashv$ | -        | -        | -  | -          | ┼─       | $\vdash$        | $\dashv$ | H        | -         | 94       |                 | $\dashv$ | +        | $\dashv$ | +               | +        | ┿       | ++               |          |       | 143<br>144 |   | H      |          |  | $\vdash$ | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$   |
| 1 4   | 15           | ᅱ        | $\dashv$ | _        | $\vdash$ | ┢  | $\vdash$   | $\vdash$ | $\vdash$        | $\dashv$ | H        |           | 95       | $\vdash$        | -        | -        | $\dashv$ | 十               | +        | ╁       | +                | <b> </b> |       | 145        | - | -      | -        | <del>                                     </del> | -        |          |          | $\dashv$ | $\dashv$   |
|       | 6            | ┪        | $\dashv$ | _        | Т        | Т  | $\vdash$   | $\vdash$ | $\vdash$        | $\dashv$ |          | $\dashv$  | 96       | $\dashv$        | $\dashv$ | 7        | _        | -+              | $\dashv$ | +       | +                | <b> </b> |       | 146        | _ | H      | -        | $\vdash$   |          | Н        | $\dashv$ |          | $\dashv$   |
| 4     | 17           |          |          |          |          |  |            |          |                 | ╗        | Γ        |           | 97       |                 | 7        | 7        | _        | $\dashv$        | $\top$   | $\top$  | П                |          |       | 147        | _ | М      |          | $\vdash$   |          |          |          | ᅥ        | $\dashv$   |
| 4     | 18           |          |          |          |          |  |            |          |                 |          |          |           | 98       |                 |          |          |          |                 | 丁        | 工       |                  |          |       | 148        |   |        |          |  |          |          |          |          | $\Box$   |
| 4     | 19           | _[       | $\perp$  |          | L        |  |            | <u> </u> |                 | $\Box$   |          |           | 99       |                 |          | I        | $\Box$   | $\Box$          | $\bot$   |         | П                | [        |       | 149        |   |        |          |  |          |          |          |          |  |
|       | 0            |          |          |          | <u> </u> |  |            | <u></u>  |                 | $\Box$   | L        |           | 100      |                 |          |          | $\perp$  |                 |          |         | Ш                | l        |       | 150        |   | $\Box$ | L        | 乚  |          | Ш        |          |          | $oldsymbol{ol}}}}}}}}}}}}}}}}}}}}$ |